

MVI-L SERIES

# VERTICAL SHAFT IMPACT CRUSHERS

L MODEL



**FOR THE TOUGHEST WORKING CONDITIONS**

› DURABLE › RELIABLE › EFFICIENT

**MEKA**

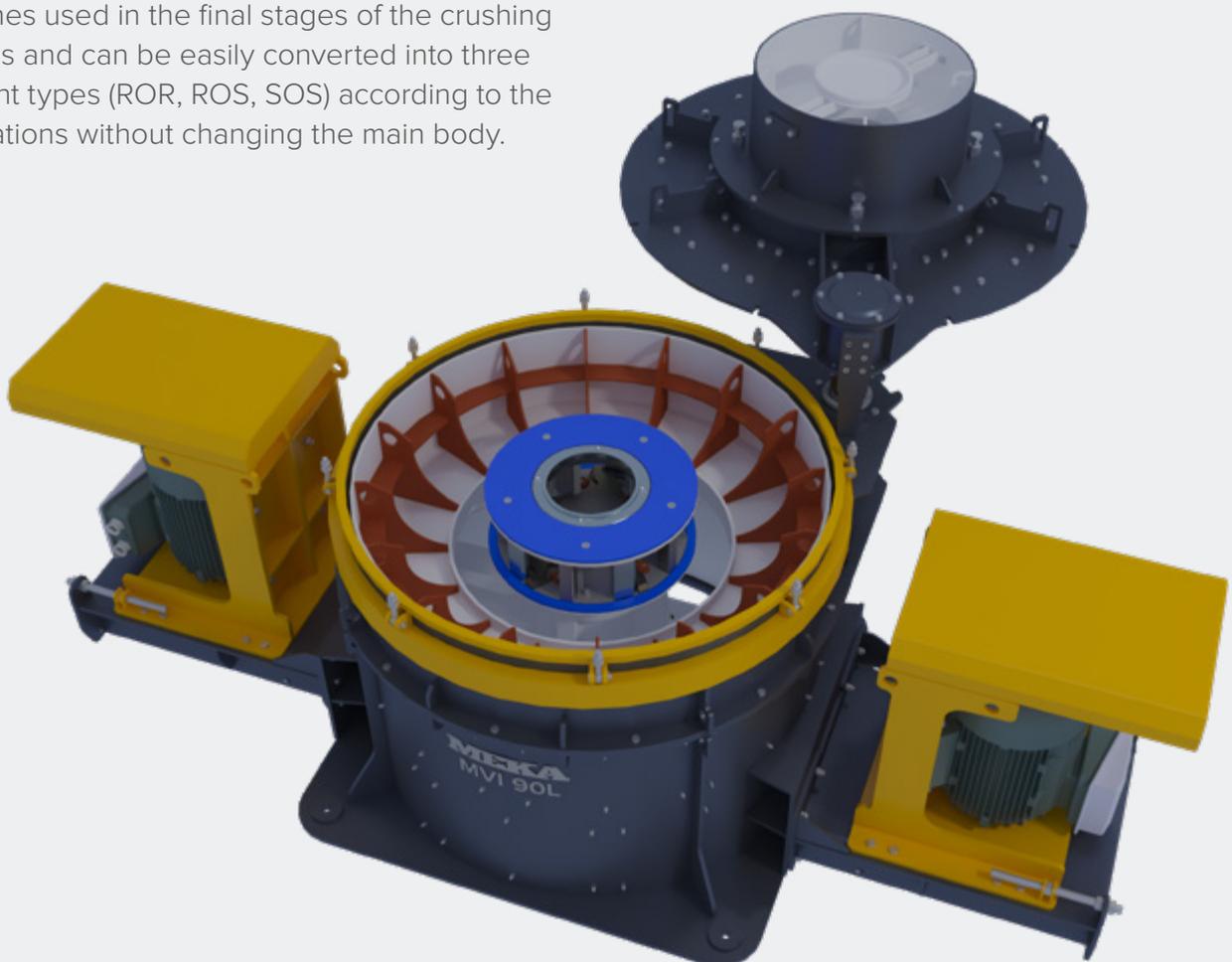
[www.mekaglobal.com](http://www.mekaglobal.com)

# FLEXIBLE SOLUTIONS WITH INTERCHANGEABLE CHAMBERS

MEKA L Series Vertical Shaft Impact Crushers are designed to produce high-quality, well-formed and fine aggregates. The high-performance crushers provide maximum application flexibility with three different crushing chamber options in the same body. Configuration options include closed rotor and rock shelf (ROR), closed rotor and anvil rings (ROS) and open rotor and anvil rings (SOS). These flexible options ensure that the crusher can operate at the highest possible performance.

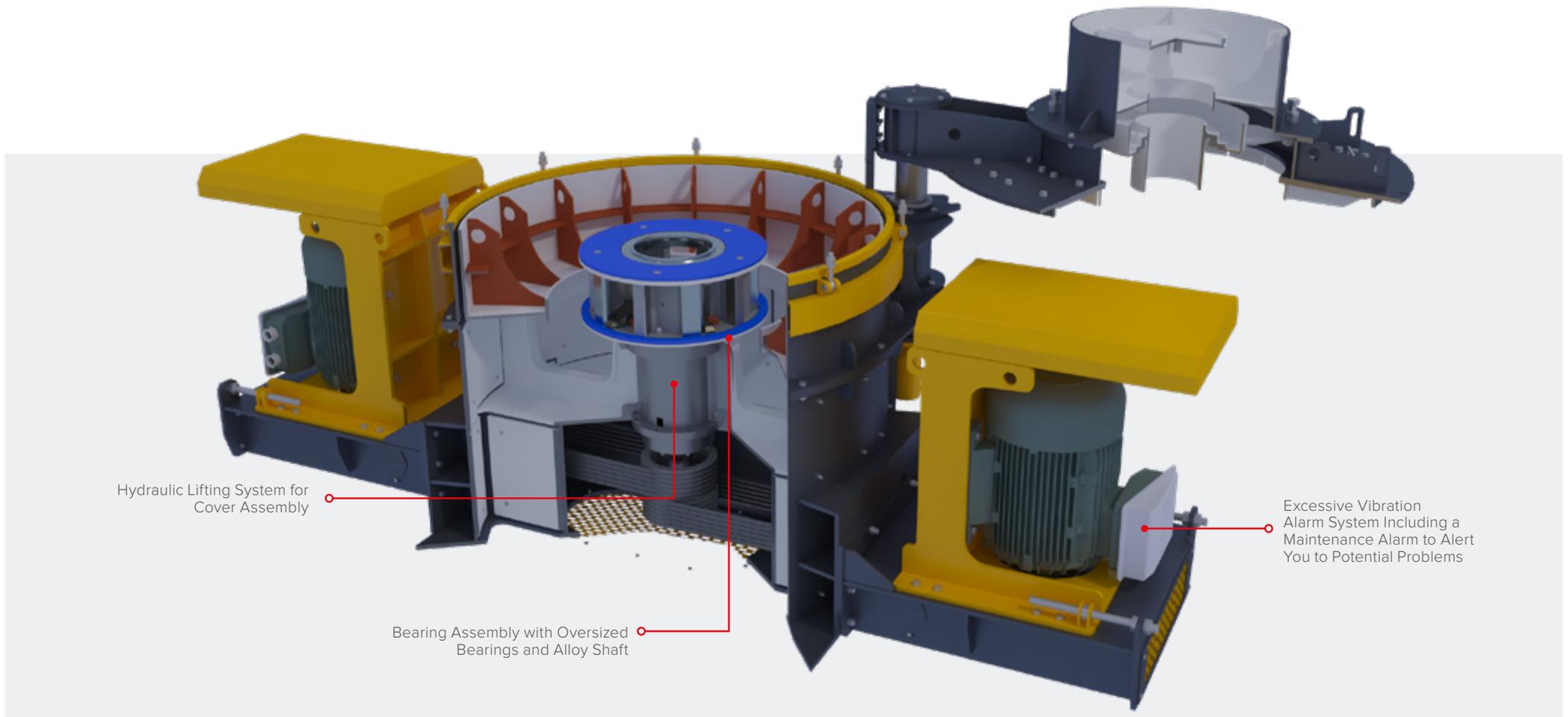
Vertical shaft impact crushers are designed as machines used in the final stages of the crushing process and can be easily converted into three different types (ROR, ROS, SOS) according to the applications without changing the main body.

MEKA Vertical Shaft Impact Crushers - L Model offers flexible crushing chamber options and is equipped with an advanced lubrication system. This system consists of a tank, pump, temperature switch, flow meter, oil cooler, oil heater and valve assembly. Maintenance is facilitated by the hydraulically openable top cover. In addition, the inspection hatch on the top cover allows users to observe the machine. The two-motor drive design reduces the radial and thrust load on the electric motors, allowing the motors to offer an extra long service life.



# READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL

**MEKA**  
MVI-L SERIES  
VERTICAL SHAFT IMPACT CRUSHERS  
L MODEL



SCAN OR CLICK QR CODE TO WATCH  
THE MEKA VSI CRUSHER  
ANIMATION

# WHY MEKA VERTICAL SHAFT IMPACT CRUSHER?

## FLEXIBLE CRUSHING CHAMBER OPTIONS

3 interchangeable crushing chambers are available;

### CLOSED ROTOR AND ROCK SHELF ROCK ON ROCK (ROR)

Recommended when crushing the most abrasive materials, such as basalt, granite for feed sizes up to 50mm.

Produces the best shaped and most consistent material with the lowest wear cost.

### CLOSED ROTOR AND ANVIL RING ROCK ON STEEL (ROS)

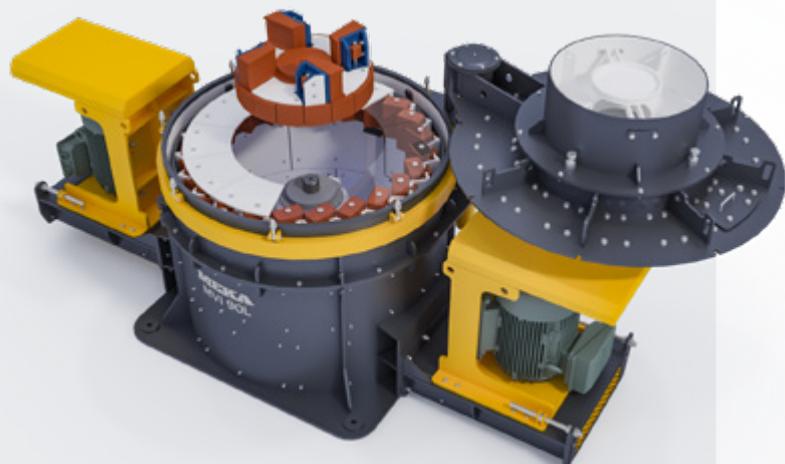
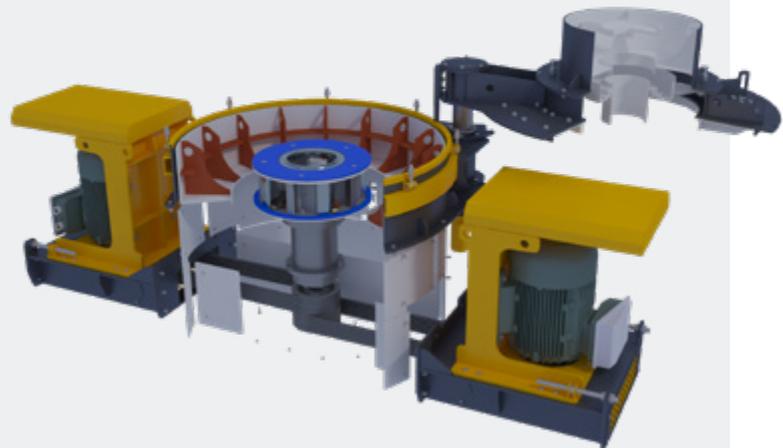
Recommended for low and medium abrasive materials such as gravel, limestone, dolomite for feed sizes up to 50mm. Combines the grinding action of the rotor with the high efficiency reduction of anvil resulting in cubical and high quality products in medium abrasive materials.

### OPEN TABLE ROTOR AND ANVIL RING STEEL ON STEEL (SOS)

Recommended for non-abrasive or low abrasive materials, such as limestone, for feed size up to 75mm. Offers high tonnage of chip production, high reduction ratios and feed size flexibility.

## SAFETY

- Safety features includes; open lid safety lock, low oil flow rate and high oil temperature shut off switches.
- Excessive vibration alarm system that includes a maintenance alarm to alert you to potential problems. If excess vibration occurs, the vibration switch will shut down the crusher to protect it from possible damage.



# WHY MEKA VERTICAL SHAFT IMPACT CRUSHER?

## ROBUST AND RELIABLE

- Fully welded construction,
- Large receiving hopper,
- Heavy duty main pedestal,
- Drop in style, oil lubricated bearing assembly having ample dimensioned spherical roller bearings,
- Lid and main frame protection with special alloy wear resistant liners,
- Tungsten carbide component on rotor,
- Bearing assembly mounted into a rigid base frame support provides maximum strength ideal for large feed or high speed applications,
- V Belt drive guard prevents dust intrusion to the V-Belt drive

## EASE OF OPERATION

- Hydraulic lid lifter mechanism,
- Externally adjustable feed tube system with a convenient inspection door mounted on the lid, provides safe and easy inspection,
- Preparations for water spray piping system mounting to avoid material build up underneath rotor,
- Air transfer system enables internal air circulation and reduces dust emission.

## PERFECT LUBRICATION SYSTEM

Modular oil system includes oil tank, gear pump, relief valves for low pressure oil circulation and high pressure lid lifter circuits, low flow rate shut down switch, oil heater, oil level gauge, oil temperature and lube oil pressure gauges.



# TECHNICAL SPECIFICATIONS



## SPECIFICATIONS

		MVI 90L (ROR SD)	MVI 90L (ROR DD)	MVI 90L (ROS SD)	MVI 90L (ROS DD)	MVI 90L (SOS SD)	MVI 90L (SOS DD)
<b>Maximum Feed Size</b>	mm	50	50	50	50	75	75
	inch	2	2	2	2	3	3
<b>*Capacity</b>	mtph	200	300	250	300	250	400
	stph	220	330	275	330	275	440
<b>Power</b>	kW	200 - 250	2 x 110 - 160	200 - 250	2 x 110 - 160	200 - 250	2 x 200
	HP	275 - 340	2 x 150 - 220	275 - 340	2 x 150 - 220	275 - 340	2 x 275
<b>Speed</b>	rpm	800 - 1700	800 - 1700	800 - 1600	800 - 1600	800 - 1400	800 - 1400
<b>**Weight</b>	kg	9210	10150	10900	11900	11460	12450
	lbs	20300	22371	24024	26228	25258	27440

\*For material weighing 1.6 t/m<sup>3</sup> or 100 lbs/ft<sup>3</sup>.

Capacity values are indicative only, crusher performance may vary depending on the feed gradation, feed moisture content, crushability of the material, crusher rpm, installed power and the crushing circuit design.

\*\*Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.

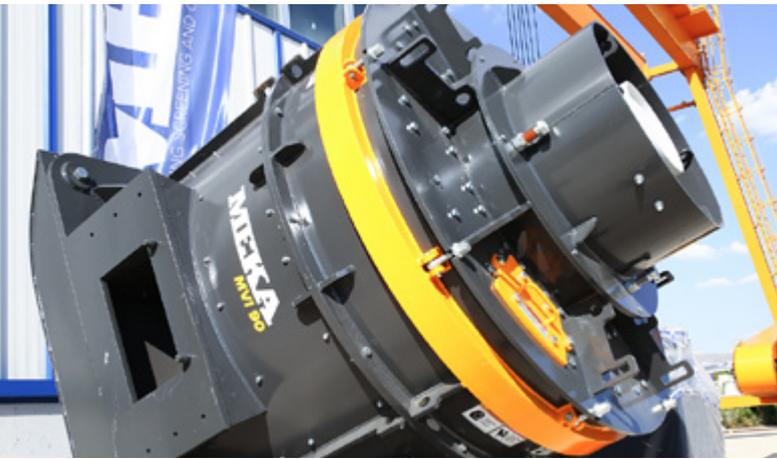
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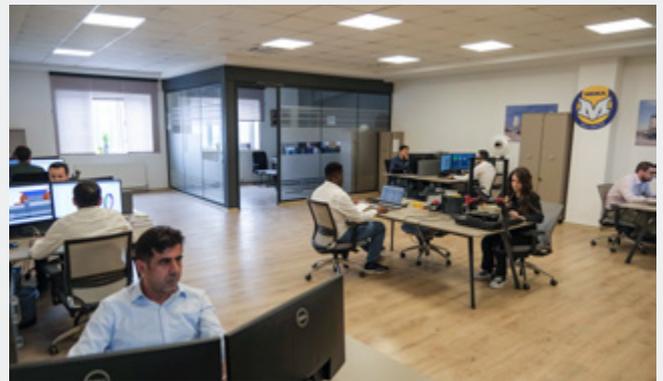
TRUSTED BRAND  
IN MORE THAN  
38 YEARS



# THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: **MEKA**

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.





Reliable Solutions for  
Aggregate Production, Mining,  
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